

## An Adaptive Ripple Suppression/ Compensation Apparatus for Permanent Magnet Linear Motors

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### Abstract

A ripple suppressor/compensator useful in the general area of motion control and applicable to a wide range of servomechanisms exhibiting a force ripple characteristics, including the permanent magnet linear motors. An adaptive feed-forward control signal is generated which compensates for the ripple force, thus allowing for more precise tracking performance to be achieved.

15 (Figure 2 is to be published.)